

**PRADEEP S.** ✉ [pradeepshiva91@gmail.com](mailto:pradeepshiva91@gmail.com)

☎ : +91 8147446472

🏠 Mysore, KA 571316

## **PROFESSIONAL SUMMARY:**

Innovative and self-driven Engineer focused on driving competitive growth in the Automotive Industry and enthusiastic in problem solving and managing daily office functions. Uniquely qualified to perform designs and drafting. Proficient in engineering tools like Cero/Pro-E, AutoCAD, ENGDYN, Engine Calibration (Emission Up-gradation).

## **PROFESSIONAL EXPERIENCE:**

### **Present Employment :BEML Limited,**

Mysore, Karnataka

Designation : Junior Executive

Employment Duration: From May 2018 to till date

### **Previous Employment: KLB Engineering Services.**

Bangalore

Designation : Design Engineer

Employment Duration : From July 2017 to April 2018

## **ROLES AND RESPONSIBILITY**

- Modelled (3D) complicated casting items of engines like Gear case cover & Front Cover, Intake manifold, Exhaust manifold, Flanges, Fuel and Oil filter heads etc. using CREO.
- Layout Preparation of Engines, Designed and drafted various products for implementing a new components like after treatment Systems, Turbocharger, CRDI etc. from new vendors with different geometries and better performance
- Redesigning for repositioning of counter connecting parts with minimal effects on its functions and construction of mountings using Cero.

- Have sound knowledge on *GD&T* and drafting rules.
- Have hands on experience on ENGDYN analysis and Simulation of Engine Crank-train Analysis.
- Involved in Design & Development of Piston, Piston Pin and Piston Rings for a new 1500HP Engine for New Generation Main Battle Tank Engine Developed with Ricardo UK as Design Consultant.
- Involved in assembly of Proto Engine for CEV Emission Up-gradation which was the part of 170 series engine Family.
- Involved in Overhauling of V46 ARV Engine.
- Involved in Engine Testing, Calibration & Emission up-gradations from BSII- to BS-III.
- Created appropriate documents for members of board and senior leadership before meetings on new projects - Tenders.

## **SKILLS**

- **CREO-** Parametric 2D & 3D.
- **AutoCAD** (Drafting/Drawings).
- **Vendor development of Engine Components.**
- **ENGDYN**(Crank-train analysis).
- **Engine Testing and Calibration.**
- **Engine Dynamometer Exposure.** (SAJ and IASYS )
- **Reverse Engineering**
- **Quality Inspection of Newly Developed Engine Components.**

## **PROJECTS:**

- Emission optimization of 525 kW Engine (6 Cylinder, inline) to meet BS-II(CEV) norms.
- Emission optimization of 404kW Engine (6 Cylinder, inline) to meet BS-III(CEV) norms. (on-going)
- Development of 1500 hp Engine for New Generation Battle Tank. (on-going)
- Overhauling of V46 Armed Recovery Vehicle Engine. (on-going)

## **STRENGTH:**

- Positive attitude and self- discipline.
- Ability to analyse problems/issues.
- Good communication skills.
- Elegant team player.
- Ability to adapt changes.

## **PERSONAL PROFILE:**

- Date of Birth : 29th Oct 1991
- Marital Status : Single
- Father's Name : Shivanna
- Mother's Name : Sunanda
- Nationality : Indian

## **EDUCATION**

### **The National Institute of Engineering**

Mysuru, Karnataka - 2016

#### ***BACHELOR OF ENGINEERING:***

Mechanical Engineering

- Graduated with **8.81 GPA** out of 10.

### **Govt. C.P.C Polytechnic**

Mysuru, Karnataka - 2013

#### ***DIPLOMA IN MECHANICAL ENGINEERING***

Scored **82.5%**

### **Sri Mahadeshwara High School**

Mysuru, Karnataka - 2007

#### ***S.S.L.C***

Scored—**78%**

## **OTHER ACTIVITIES**

- **Internship:** Rane Madras Ltd. - Trained in Industrial Ergonomics and work place Design for a steering box assembly line.
- **Course:** Basic Course on Automotive Technology